Index of Claims

| An | nl | ication | No   |
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**Art Unit** 

Examiner

ELLIS, JONATHAN HENRY

Applicant(s)

Larry R. Helms

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Rejected Allowed

(Through numeral) Cancelled

Non-Elected N

**Appeal** Α

Restricted

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Interference

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|  | laim     | Date                      |          |              |          |                    |                  |  | CI  | aim Date |          |                    |                         |                         |                          | 1  | Claim                |       |            |   |              |
|--|----------|---------------------------|----------|--------------|----------|--------------------|------------------|--|---|----------|----------|--------------------|-------------------------|-------------------------|--------------------------|--|----------------------|-------|------------|---|--------------|
| Final  | Original | 1000                      |          |              |          |                    |                  |  |   | Final    | Original |                    |                         |                         |                          |  |                      | Final | Original   |   |              |
|  | 1        |                           |          |              | _        | 1                  | †                | +  |   |          | 51       | 31-1               | 0 = 1 T                 | 1 1 1                   | 4                        | 5 1  |                      |       | 101        | -   | +            |
|  | 2        |                           |          |              |          |                    |                  |  |   |          | 52       |                    |                         |                         | +                        |  | - 6                  | -     | 102        | +   | +            |
|  | 3        |                           |          |              |          |                    |                  |  |   |          | 53       |                    | $\top$                  |                         |                          | 1 1  |                      |       | 103        | ++  | +            |
|  | 4        |                           | _        | $\perp$      | $\perp$  | $oldsymbol{\perp}$ |                  |  | 10 - 1<br>100                                     |          | 54       |                    |                         |                         |                          |  |                      |       | 104        |   | $\top$       |
|  | 5        |                           |          |              |          | _                  |                  |  |   |          | 55       |                    |                         |                         |                          |  |                      |       | 105        |   | 十            |
| <u> </u>   | 6        |                           |          |              | 4        | <b> </b> _         | -                |  | His .   |          | 56       |                    |                         |                         | THEFT                    |  |                      |       | 106        | 71100   | 1            |
| <u> </u>   | 7        | $\vdash$                  | _        |              | +        | $\bot$             |                  |  | 1   |          | 57       | 4.                 |                         |                         |                          |  | 8-11                 |       | 107        |   | T            |
| -  | 8        |                           | _        | -            |          | -                  | 1-+              | $\rightarrow$                                    | 20 11<br>11 12 12 12 12 12 12 12 12 12 12 12 12 1 |          | 58       | _                  |                         | $\downarrow \downarrow$ |                          |  | 144                  |       | 108        |   | Ι            |
| -  | 10       |                           |          | +-           | +        | ╀                  | +                |  | 3.5   |          | 59       | $\dashv$           |                         |                         |                          |  |                      |       | 109        |   |              |
| <del> </del>                                     | 11       | H                         | $\dashv$ | +            | -        | ╁                  | $\vdash$         |  |   |          | 60       |                    | -                       | ++                      |                          |  | - E. r.              | ļ     | 110        |   | $\perp$      |
|  | 12       |                           |          | +            |          | ┼─                 | 1                |  | E.C.  |          | 61<br>62 | +                  | -                       | +                       |                          |  | _                    |       | 111        |   | $\downarrow$ |
| <del>                                     </del> | 13       |                           | -+       | +            | +        | +                  | -                |  | 1 14  |          | 63       | ++                 | -                       | ++                      |                          | $\vdash$   |                      |       | 112        |   | $\bot$       |
|  | 14       | H                         |          | +            | +-       | <del> </del>       | 1                | -  | 1   |          | 64       | +                  |                         | ++                      |                          |  | - 422                |       | 113        |   | 4            |
|  | 15       |                           | +        | +            | †        | <del> </del>       | <del>     </del> | <del>                                     </del> | 200   |          | 65       | +                  |                         | <del>  </del>           | -                        | <del>                                     </del> | 77.5                 | -     | 114        |   | +            |
|  | 16       |                           | +        | <u> </u>     |          | <u> </u>           | 1-1              | +  |   |          | 66       | ++                 | +                       | +                       |                          |  | - 11                 |       | 115<br>116 | <del></del>                                       | ╁            |
|  | 17       |                           |          | 1            | -        |                    | 1                |  |   |          | 67       | ╅                  | +                       | +                       | <del> </del>             | -  | (25.0.1<br>(0.45.00) |       | 117        |   | +            |
|  | 18       |                           |          |              |          |                    |                  |  | -   |          | 68       |                    | +                       | † †                     |                          |  |                      |       | 118        | +   | ╁            |
|  | 19       |                           |          |              | T        |                    |                  |  |   |          | 69       | 1                  | _                       |                         |                          |  | - 56.5               |       | 119        |   | +            |
| L  | 20       |                           |          |              |          |                    |                  |  |   |          | 70       |                    |                         |                         | _ -                      |  | - 3                  |       | 120        | + +   | 十            |
|  | 21       | $ \bot \!\!\! \downarrow$ |          | $\perp$      |          |                    |                  |  | - 100   |          | 71       |                    |                         |                         |                          |  | 1 146                | ·     | 121        | <del>-   -   -</del>                              | +            |
|  | 22       |                           | _        |              | <u> </u> |                    |                  |  |   |          | 72       |                    |                         |                         |                          |  |                      |       | 122        |   | ╁╴           |
| <u> </u>   | 23       |                           | _        | 4_           | $\bot$   | <u> </u>           |                  |  |   |          | 73       |                    |                         |                         |                          |  |                      |       | 123        |   | T            |
| <u> </u>   | 24       | $\dashv$                  |          | <del> </del> | -        |                    |                  |  |   |          | 74       | 1                  |                         |                         |                          |  | Target<br>1          |       | 124        |   | T            |
| <u> </u>   | 25       |                           | $\perp$  | +            | ┼        | <u> </u>           |                  |  | nd to<br>nd 2<br>not 1                            |          | 75       | 1_1                |                         |                         |                          |  | 4-37                 |       | 125        |   |              |
|  | 26<br>27 | -                         |          | +            | <u> </u> | _                  | -                | <del></del>                                      |   |          | 76       | $\perp \perp$      |                         |                         | $\perp \perp \downarrow$ |  | 1.00                 |       | 126        |   | Γ            |
| -  | 28       | $\dashv$                  | -        |              | +        |                    |                  | +-   |   | -        | 77       | +                  | -                       |                         |                          |  | 1.000                |       | 127        |   |              |
|  | 29       | +                         | +        | +            | -        |                    |                  | +  | -   |          | 78<br>79 | +                  | <del>-</del>            | $\vdash$                |                          |  | 13.5                 |       | 128        |   | L            |
|  | 30       |                           | _        | +            | -        |                    |                  |  |   |          | 80       | ╁                  |                         | -                       | +-4                      |  | 527                  |       | 129        |   | _            |
|  | 31       | _                         | +        | ╅            | $\vdash$ |                    | _                |  | 31  |          | 81       | ╁╌┼                |                         | <del>├─</del> ├         | +                        |  | 100                  |       | 130        |   | ↓_           |
| _  | 32       | _                         | $\top$   | +-           | +        |                    | +                | +  | 3.77  |          | 82       | <del>  -   -</del> |                         |                         | +-+                      |  |                      |       | 131        |   | $\vdash$     |
|  | 33       | _                         | _        | +            |          |                    | $\dashv$         |  |   |          | 83       | +                  |                         | -                       | +-+                      |  | inc.                 |       | 132<br>133 |   | <u> </u>     |
|  | 34       |                           |          |              |          |                    |                  |  | 1   |          | 84       | ++                 | <del>-</del>            |                         | +                        | +-   | 7 7                  |       | 134        | +   | ⊢            |
|  | 35       |                           |          |              |          |                    |                  |  | 14) I   |          | 85       |                    |                         |                         | ++                       | +-   | 1  -                 |       | 135        | +   | $\vdash$     |
|  | 36       |                           |          |              |          |                    | =                |  | 100   |          | 86       |                    | ti itt.                 |                         |                          | - 1  |                      |       | 136        | $\dashv$  | -            |
|  | 37       |                           |          |              |          |                    |                  |  |   |          | 87       |                    |                         |                         |                          |  |                      |       | 137        | ╌┼╌┤  | $\vdash$     |
|  | 38       |                           |          | <u> </u>     |          |                    |                  |  |   |          | 88       |                    |                         |                         | T                        |  |                      |       | 138        | <del>                                      </del> | _            |
|  | 39       | $\perp$                   |          |              | $\sqcup$ | _                  |                  |  |   |          | 89       |                    |                         |                         |                          |  |                      |       | 139        | 7-1-1   |              |
|  | 40       | _                         |          | <u> </u>     |          |                    |                  |  |   |          | 90       |                    |                         |                         |                          |  |                      |       | 140        | <del>                                     </del>  | _            |
|  | 41       | _                         |          | <u>L</u> .   | $\sqcup$ | _                  |                  | $\perp$  |   |          | 91       |                    |                         |                         |                          |  |                      |       | 141        |   |              |
|  | 42       | $- \downarrow$            | $\perp$  | -            |          | _                  | $ \vdash$        | $\perp \perp \mid$                               |   |          | 92       |                    | _                       |                         | $\perp \Gamma$           |  |                      |       | 142        |   | _            |
|  | 43       | -+                        | -        | -            | $\vdash$ | _                  | +                | +  | -   |          | 93       | $\perp \perp$      | -                       |                         | $\sqcup \bot$            | $\perp$  |                      |       | 143        |   | _            |
|  | 45       | _                         | +        | -            |          | $\dashv$           |                  | +i   | . 1   |          | 94       | <u> </u>           | $\downarrow \downarrow$ |                         | $\perp \downarrow$       |  |                      |       | 144        |   |              |
| -  | 46       |                           | 201      | 0.5          |          | 200                | 210117           |  | +   |          | 95       |                    |                         |                         |                          |  |                      |       | 145        | $\bot$ $\bot$                                     |              |
|  | 47       | +                         | +-       | -            | +        | +                  | -                | +1   | -   |          | 96<br>97 |                    |                         | 1110                    | 1-1-                     | 100  |                      |       | 146        | 111   | Ш            |
|  | 48       | +                         | +        | $\vdash$     | +        | $\dashv$           |                  | +  | -   |          | 98       |                    | +                       |                         | ++                       |  |                      |       | 147        | 1-1-1   |              |
|  | 49       | -                         | +        | † †          |          | +                  |                  | +  | 7   |          | 99       |                    | +                       | +                       | + +                      |  | -                    |       | 148        | 1-1-1   |              |
| <del></del>                                      | 50       | -+-                       | +-       | 1            | +        | $\dashv$           |                  | +-1  | -   |          | 00       | <del></del>        | ++                      |                         | ╁┈┤╌                     |  | 4, -                 |       | 149<br>150 | +   |              |

| CI     | aim                                    | Τ               | Date      |                    |   |              |          |        |          |  |  |
|--------|--|-----------------|-----------|--------------------|---|--------------|----------|--------|----------|--|--|
|        |  | $\top$          | T         |                    |   |              | Ī        | П      | T        | T  |  |
| Final  | Original                               |                 |           |                    | ı   |              |          | -      |          |  |  |
| 這      | jř                                     |                 | 1         |                    |   |              |          |        |          |  |  |
|        |  |                 | 1.        |                    |   |              |          |        |          |  |  |
|        | 101<br>102<br>103                      | 1               |           |                    |   |              |          |        |          |  |  |
|        | 102                                    | $\perp$         | ↓.        | _ _                |   |              |          |        |          |  |  |
|        | 103                                    | $\bot$          | ┵         | $\perp$            | _   | _            |          |        |          |  |  |
|        | 104                                    | +               | 4         | 4                  |   | $\downarrow$ | _        |        | $\perp$  |  |  |
|        | 105                                    | +               |           | -                  |   | _            | _        |        |          | -  |  |
|        | 106<br>107                             |                 | +         | +                  |   | -            | 1        | +      |          | 1  |  |
|        | 107                                    | +-              | ╀         | +                  | -   | $\dashv$     | +        | _      | +        | +-   |  |
|        | 109                                    | +-              | +         | +                  |   | +            | -        | _      | +        |  |  |
|        | 110                                    | +-              | +-        | +                  | +   |              | -        | +      | +        |  |  |
|        | 111                                    |                 | +         | +                  | +   | +            | +        | +      | +        | +  |  |
|        | 112                                    | +-              | $\dagger$ | +                  | +   | +            | +        | +      | +        | +  |  |
|        | 113                                    | †               | †         | +                  | $\dashv$  | +            | +        |        |          | 1  |  |
|        | 114                                    | $\top$          | T         | +                  | _   | +            | $\top$   |        | -        | <del>                                     </del> |  |
|        | 111<br>112<br>113<br>114<br>115<br>116 | 1               | T         | T                  |   |              | +        | ╁      | $\top$   | <del> </del> -                                   |  |
|        | 116                                    |                 |           |                    | $\top$  | 1            | $\top$   | $\top$ |          | †  |  |
|        | 117                                    |                 |           | T                  |   | T            |          |        | $\top$   |  |  |
|        | 118                                    |                 | Γ         |                    |   |              |          |        |          |  |  |
|        | 119                                    |                 |           |                    | $oldsymbol{ol}}}}}}}}}}}}}}}$ |              |          |        |          |  |  |
|        | 120                                    |                 |           |                    |   |              |          |        |          |  |  |
|        | 121                                    | <u> </u>        |           | _                  |   |              |          |        |          |  |  |
|        | 122                                    | ļ               | ļ.,       | $\perp$            | 4   | _            | $\perp$  | _      |          |  |  |
|        | 123                                    |                 | L         | 4                  | $\perp$   | $\perp$      |          |        | $\perp$  | $\perp \perp$                                    |  |
| - +    | 124                                    | -               | ├         | $\bot$             | 4   | +            | +        | 1      | $\perp$  | 1  |  |
| -      | 125<br>126                             | $\vdash$        | _         | +-                 | +-  | +            |          |        | —        | $\vdash$   |  |
| -      | 127                                    | -               | ┝         | +                  | ┿   | +            | +        | +      | ┼—       | $\vdash$   |  |
|        | 128                                    |                 | -         | +                  | +   | +-           | +-       | +      | +        | ╁╌┤  |  |
|        | 129                                    |                 | -         | ╁                  | ╁   | +            | ╅╴       | +-     | ╁        | $\vdash$   |  |
|        | 130                                    |                 | -         | $\dagger$          | +   | +            | +        | +      | +-       | +  |  |
|        | 131                                    |                 |           | †                  | +-  | +            | +-       | +      | +        | ┝╌┤  |  |
|        | 132                                    |                 | _         | +                  | +   | +-           | +        | 1      | -        | $\vdash$   |  |
|        | 133                                    |                 |           | Ī                  |   | $\top$       |          | 1      | -        |  |  |
|        | 134                                    |                 |           |                    |   |              |          | 1      |          |  |  |
|        | 135                                    |                 |           |                    |   |              |          |        |          |  |  |
|        | 136                                    | _               |           |                    | _   | L            |          |        | _        |  |  |
|        | 137                                    |                 |           | <u> </u>           | $\downarrow$  | _            | 4_       | _      | $\vdash$ |  |  |
|        | 138                                    |                 |           | $oldsymbol{\perp}$ | ╀-  | 1            | -        | ļ.,    | L        |  |  |
|        | 139                                    |                 |           |                    | 4_  | _            | ┿-       | -      |          | _  |  |
|        | 140<br>141                             | -               |           |                    |   |              | +-       |        |          |  |  |
|        | 142                                    | -               | _         |                    |   | -            | +        |        |          | _  |  |
|        | 143                                    |                 |           | -                  | +   | +            | +        | +-     |          | -  |  |
|        | 144                                    |                 |           | -                  | <del> </del> —  | $\vdash$     | +        | +-     | ╁╾┤      |  |  |
|        | 145                                    | $\neg \uparrow$ |           | -                  | $\vdash$  | ╁╴           | +-       | +-     |          | $\dashv$   |  |
|        | 146                                    |                 | -         |                    | 0.11  |              | J        | 111    |          |  |  |
|        | 147                                    | 1               | _         |                    |   | $\vdash$     | 1        | 1      |          |  |  |
|        | 148                                    | _†              |           |                    |   |              | <u> </u> |        |          | $\exists$  |  |
| ·      | 149                                    | _               |           |                    |   |              | $T^{T}$  |        |          |  |  |
| $\Box$ | 150                                    |                 |           |                    |   |              |          |        |          |  |  |